

## ABSTRACT

An angular-position magnetic-sensor device includes at least one stator and one rotor. A space between said stator and said rotor, defining over substantially 360°, is a main air gap including at least two movable magnetic poles of alternating polarities. The stator is provided with at least one secondary air gap in which there is placed at least one magnetosensitive element. The stator is composed of two pole shoes having angular widths that are substantially equal to 120° and 240° respectively, and the two magnetic poles each have an angular width substantially equal to 120°.